City of Richmond
Richmond Fire-Rescue

FACT SHEET
Sea Island Fire Hall
3911 Russ Baker Way Richmond, BC

Project Overview

The 7,300 sq.ft. Sea Island Fire Hall was constructed for occupancy in early 2007. It replaces the former 60 year old “No. 4” Fire Hall, on Lancaster Crescent in the Burkeville community.

The Sea Island Fire Hall was carefully designed with consideration of the surrounding environment, and community needs. Various features were implemented in order to maximize natural ventilation, light, and to preserve the natural elements of the site. Some of these features include green roofs, a geothermal energy field, a storm water management system, and a rainwater collection system.

Other key elements of the building include a two-story fire hall with a 60-foot training and hose-drying tower, two-engine bay garage, and a community accessible meeting room.

Public art is included in the project, and access from Burkeville to a public art display via a new pedestrian footbridge has been added.

Richmond

City of Richmond
Richmond Fire-Rescue

FACT SHEET
Sea Island Fire Hall
3911 Russ Baker Way Richmond, BC

Key Features

- Designed for post-disaster, the structure is concrete slab on structural fill compacted to new 100-year flood plain elevation. To reduce structural weight of the building, the building has a 5 ft. crawl space under the entire building footprint.
- The superstructure is heavy timber, wood, and glue-lam framing supplemented by steel framing, with exterior finishes including jumbo brick, metal cladding, metal roofing and green roof.
- Sustainable “Green” Initiatives to achieve a targeted LEED© Silver rating include:
  - Geothermal ground source heating and cooling with targeted 80,700 KWH savings/annum
  - Maximization of thermal massing
  - Rainwater collection for irrigation and truck washing
  - Storm water retention and bio-treatment on site
  - Solar hot water system
  - Low flow plumbing fixtures and waterless urinals
  - Green roof
  - Extensive day lighting features
  - Wind/ buoyancy driven ventilation
  - Energy efficient fixtures, equipment, and lighting
  - Use of recycled materials.
  - Stringent control and selection of green construction materials, waste, and procedures
  - Occupancy sensors

Architects: Johnston Davidson Architecture + Planning Inc.
Contractor: Mi-Dan Construction Ltd.
Officially Opened: April 21, 2007